

EXHIBIT E

DEMONSTRATION OF TECHNICAL COMPETENCE

ADST's technical operations will be managed by Manika Singh and Ashar Syed. Ms. Singh has a Bachelor of Science in Mathematics, a Master of Business Administration, and is currently pursuing a Master of Science degree in Computer Science. Ms. Singh has technical experience in computer programming and software engineering with additional experience in programs designed for the management of financial accounts, sales invoicing, and human resource management. Mr. Syed has a Master of Science degree in Computer Science and a Bachelor of Science degree in Computer Science. Mr. Syed has experience as a software engineer for a major telecommunications company that included the development of software applications for the processing of customer service complaints and inquiries, billing and automated operations systems. The resumes for each of these individuals are attached.

Manika Singh
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OBJECTIVE : To obtain a position as a Programmer /Analyst (Visual Basic/C++)

TECHNICAL EXPERIENCE:

Backend : Oracle 8.0, Oracle 7.X, Access
Frontend : Visual Basic, Forms 5.0, Forms 4.5, Developer 2000
Languages : Visual Basic, C++, C, Pascal, HTML
OS : Windows NT, Windows 95, Windows 98, Unix

PROFESSIONAL EXPERIENCE:

Teller, First Union National Bank

Mar '98-Present

Software Engineer, HEG Ltd, India

Dec '96- Feb '98

Financial Accounting Management System

Environment : Access, Visual Basic

FAMS is an integrated system which interacted with Purchase, Stores & Sales Systems. It consists of the following modules:

- Master Maintenance Module
- Voucher Entry: Cash & Bank (Receipt & Payment), Journal Vouchers
- Debit Note /Credit Note Entry
- Batch Processing: Bills from Stores system & Sales system
- Year end processing
- Reports & Online Queries: Register, Trial Balance, Creditors

Sales Invoicing System

Environment : Access, Visual Basic

This is an integrated system with FAS. Sales System consists of following modules

- Master Maintenance Module.
- Order Load Entry : Order Coming from different customers are entered.
- Order Acknowledgement : Based on our production plan orders are acknowledged to customers
- Invoice: Based on order acknowledgement and dispatch plan invoices (direct sales, sales return, sample invoice etc.) are generated
- Reports & On Line Queries: Invoice printing on pre-printed stationary, Check runs, Quality wise reports, Region wise sales and other MIS Reports.

Human Resource Management System (HRMS)

Environment : Access, Visual Basic

HRMS is an integrated system to cater the need of Human Resource Dept. HRMS system consists of following modules:

- Personnel Information Module : Personal Information, Family information, Training Courses attended, Experience, Qualification Languages Known and any information required at the time of Performance Appraisal, and various MIS Reports.
- Attendance Recording module : Records In & Out coming time from

attendance record machine, Leaves taken, Off day schedule, Manning entry, and other MIS Reports.

--Job Assignment Module : Jobs assigned to each employee weekly and Various Reports.

--Payroll Module : Pay Slip Generation of Employee based on No. of days worked, leaves taken, loans taken and other benefits given to him. Department Wise Salary consumption, Bank & Cash Statements.

Assistant Sales Manager, Birla Ericsson Optical Limited India

Jun '95 -Dec '96

- Filing tenders & contracts with DOT(Department of Telecommunication) & Non DOT customers
- Planning the delivery schedule
- Supervision of timely and correct dispatch of material
- Supervision of billing
- Coordination between Plant and sales department
- Follow up of the credit collections from the customer
- Worked as the team member for internal ISO 9002 audit
- Prepared the sales department for ISO audit
- Reconciliation of sales accounts during yearly audit
- Reconciliation of deferred payments
- Reconciliation of Sales tax accounts
- Reconciliation of excise account with Sales account
- Responding to the customer complaints if any
- Analysis & follow up of the wrong deductions(if any) by the customer
- Preparation of monthly sales statement for Department of Telecommunications, India

EDUCATION :

Pursuing MS Computer Science at Southern Polytechnic State University, GA

Masters of Business Administration, Major Marketing

Bachelor of Science, Major Mathematics

June 1995

August 1993

Visa Status: Permanent Resident

Ashar Syed

Career Objective

A challenging position as a Software Developer

Profile

Computer professional with high-energy and a positive-oriented drive. Disciplined, determined, confident and analytical with excellent leadership skills. Extremely fast learner and desire to gain more in the field of Information Technology.

Education

Master of Science, Computer Science, July 1998
University of South Alabama, Mobile, Alabama

Bachelor of Science, Computer Science, September 1995
Quaid-e-Azam University, Islamabad, Pakistan

Certified Internet Web Associate, June 2000



Professional Experience

Software Engineer, July 1999 – January 2001

Bellsouth Research and Development, Miami, FL.

Responsible for analyzing, designing, implementation, testing and maintaining of GUIs, Telephony, Internet and Database Systems related to telecommunications industry. Provide application modeling and programming expertise in building software solutions for maintenance and management of **Voice Processing, Customer Service and Billing systems** using **C++, MFC, Dialogic SDK, Green Leaf, Visual Voice, COM, ActiveX Controls, SQL Sever, Access.**

- Analyzed and designed **Client-Server Architecture** for customer services named QuickLink. This **Two-Tier** application is being by all customer service representatives to process customer complaints and requests. The presentation tier was modeled using **UML** and its architecture is based on **COM Components** and Object-Oriented technology. It was implemented using **C++, MFC, DLLs, ActiveX Controls**, and numerous other **Third Party Controls**, **SQL Server** is used in Data tier as **RDBMS**
- Analyzed, designed, implemented and maintaining **Voice Verification System**, which automatically plays voices for verification, manage and compressed them for further processing. Also **Voice Playing System**, which can decompress voices in different formats and plays them on demand. These multithreaded systems are operated on analog and digital dialogic cards and implemented using **C++, MFC, Dialogic SDK, Visual Voice, Green Leaf** and **SQL Server**
- Designed and incorporated new components to **Calling Card Processing System**, which automatically issues pin number, process calling cards and keep track of timings. This multithreaded system works on digital dialogic card and implemented using **MFC, C++, Visual Voice** and **SQL Server**.
- Implemented several tasks for automation, these processes automatically communicate to other long distance carriers through **Email** and **FTP**.
- Analyzed and implemented **Payroll System** for telemarketers and participated in **Billing Systems** using **Visual Basic, Access** and **Crystal Reports**

Software Developer, June 1998 – June 1999

IBM Global Services (Consultant), Tampa, Florida

Performed a vital role on several analysis, design, implementation and maintenance projects as team player for IBM on their EDI Systems

- Implemented several modules for **CGI Dynamic HTML** using **C** on **UNIX** platform
- Designed and implemented GUI using **JFC/Swing** for several expedite **JAVA Beans** components using **Visual Age for JAVA**
- Participated in object-oriented design using **UML** and implementation using **C** for Expedite Email Notification Manager
- Implemented compression and decompression modules using **C** and GreenLeaf libraries for **Client-Server E-Commerce Expedite System**
- Created and executed several integration and functional test cases for different software on **OS/2, UNIX, Mac, Windows** operations systems

Software Engineer, December 1995 – April 1998

American Society for Testing Materials (ASTM), Mobile, Alabama

Analyzed structured oriented existing DOS based version of CHETAH implemented in **FORTTRAN**. Designed new Object-Oriented system, **GUI** and **RDBMS** for windows platform. The CHETAH 7.2 was implemented using **Visual Basic**, MS Access, ActiveX controls and several other third party controls. Also analyzed and designed several components for the next version using object-oriented methodologies. The components for CHETAH 7.3 were implemented using **MFC, COM** and **DLLs**.

- Involved in designing an **Object-Oriented system** for the conversion of Smiles Strings into Benson Groups and implementing it using **Visual C++(MFC)** for CHETAH
- Analyzed the existing DOS based system having Fortran code for scientific calculations and conventional file systems for records. Designed new system and implemented a very attractive user interface using **Visual Basic and C++**
- Designed and implemented the new **RDBMS** using **SQL and Access**
- **Co-author** of the manual for CHETAH 7.2

Technical Skills

System Development: C++ (Borland, VC++/MFC), Visual Basic, JAVA (JFC/Swing), JAVA Beans, C (ANSI), FORTRAN, Visual Voice, Transact-SQL, GreenLeaf, UNIX and DOS Shell programming

Operating Systems: MS Windows (NT/2000), UNIX (Solaris, AIX), MacOS, OS/2 and DOS

Database Management: SQL Server 6.5 and 7.0, Access, Visual Foxpro, SQL Server, ADO and ODBC

Web Tools: Visual Interdev, Visual Age, CGI, HTML, DHTML, JavaScript, VBScript, ASP, FrontPage

Miscellaneous Tools: Visual Source Safe, CMVC, VOB, Rational Rose, Robo Help, Install Shield, Dialogic SDK, VideoSoft SDK, SheridanSoft SDK

References available on request